

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050525\
 Data File : PL095527.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 12:31
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/05/2025
 Supervised By : mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 23:13:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.595	2.911	140.9E6	164.0E6	43.167	51.569
28)	SA Decachlor...	9.122	8.088	119.1E6	136.4E6	42.977	46.102m
Target Compounds							
2)	A alpha-BHC	4.046	3.420	214.9E6	251.2E6	43.379	56.465 #
3)	MA gamma-BHC...	4.378	3.753	204.9E6	238.5E6	43.290	54.234 #
4)	MA Heptachlor	4.975	4.107	197.2E6	230.4E6	43.107	52.888
5)	MB Aldrin	5.318	4.391	206.4E6	226.3E6	44.938	54.984m
6)	B beta-BHC	4.563	4.047	89900982	106.6E6	43.483	51.334
7)	B delta-BHC	4.811	4.282	201.5E6	241.8E6	43.329m	55.177m#
8)	B Heptachlo...	5.737	4.896	185.5E6	206.2E6	46.317m	53.371
9)	A Endosulfan I	6.121	5.268	177.6E6	181.7E6	46.760m	49.642
10)	B gamma-Chl...	5.992	5.147	188.2E6	217.0E6	46.126m	53.535m
11)	B alpha-Chl...	6.072	5.213	187.7E6	213.6E6	46.166m	53.661
12)	B 4,4'-DDE	6.241	5.397	175.2E6	210.8E6	44.699m	51.841m
13)	MA Dieldrin	6.395	5.532	175.8E6	221.8E6	45.606	54.547m
14)	MA Endrin	6.621	5.809	141.9E6	198.4E6	44.545m	54.500
15)	B Endosulfa...	6.834	6.098	147.2E6	195.8E6	46.098m	54.533m
16)	A 4,4'-DDD	6.751	5.951	135.0E6	181.8E6	47.670m	55.643
17)	MA 4,4'-DDT	7.066	6.205	122.3E6	179.9E6	42.933m	52.346
18)	B Endrin al...	6.962	6.277	106.2E6	138.4E6	45.778m	52.964
19)	B Endosulfa...	7.198	6.500	130.9E6	172.8E6	46.720	52.082
20)	A Methoxychlor	7.540	6.775	60230413	95555696	43.172	50.097
21)	B Endrin ke...	7.679	7.006	131.9E6	199.6E6	46.276	56.695
22)	Mirex	8.161	7.201	108.4E6	146.3E6	45.610	50.751m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Data File : PL095527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:31
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

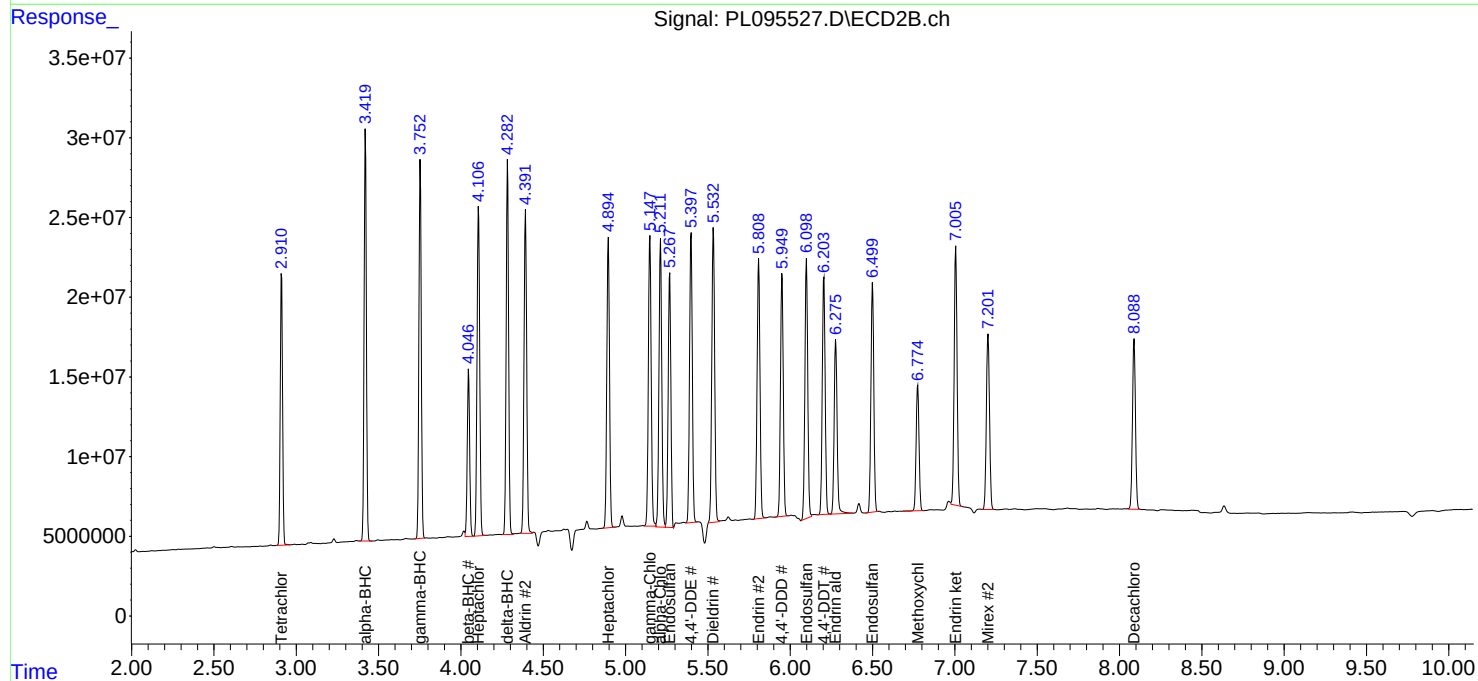
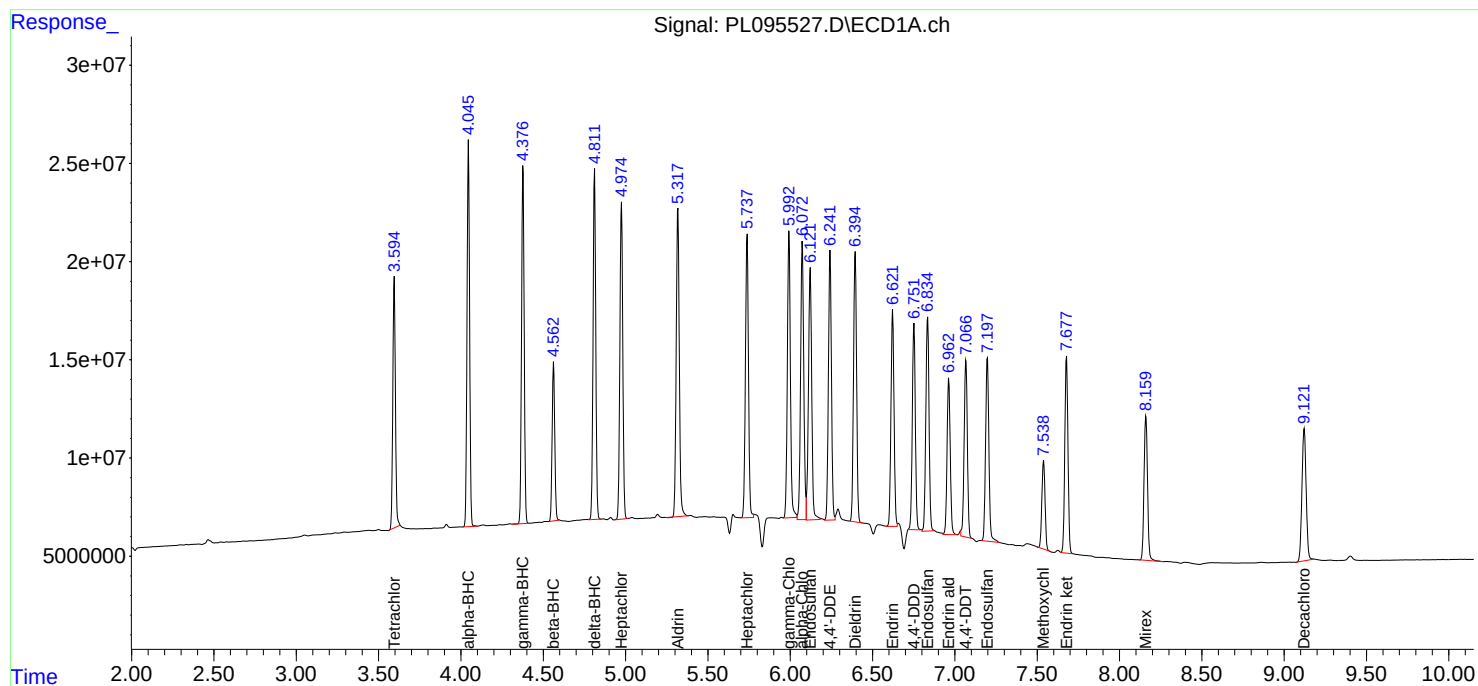
APPROVED

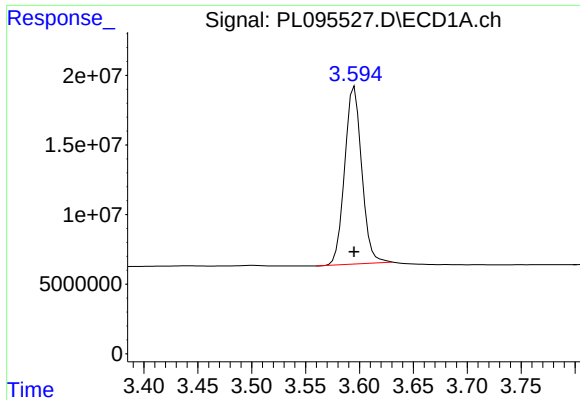
Reviewed By :Abdul Mirza 05/05/2025

Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:13:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





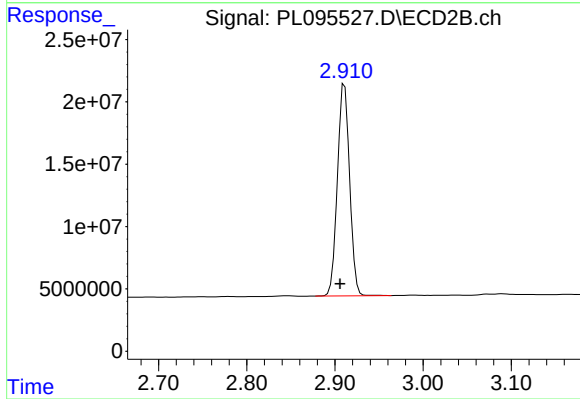
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 140927511
Conc: 43.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

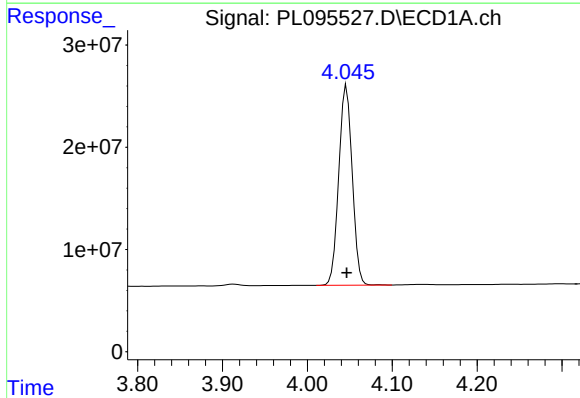
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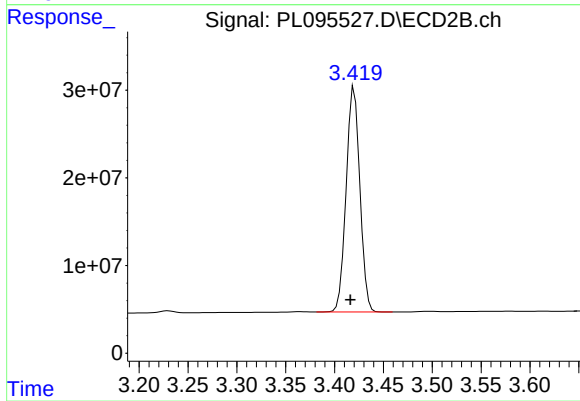
#1 Tetrachloro-m-xylene

R.T.: 2.911 min
Delta R.T.: 0.005 min
Response: 163978234
Conc: 51.57 ng/ml



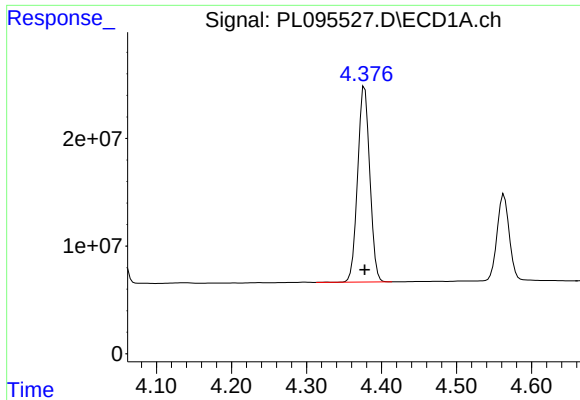
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 214890917
Conc: 43.38 ng/ml



#2 alpha-BHC

R.T.: 3.420 min
Delta R.T.: 0.004 min
Response: 251198414
Conc: 56.47 ng/ml



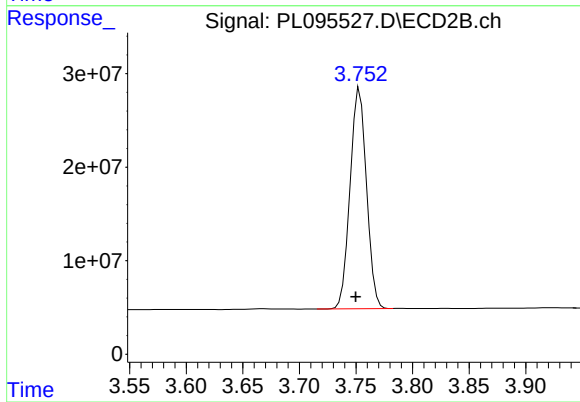
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 204932353
Conc: 43.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

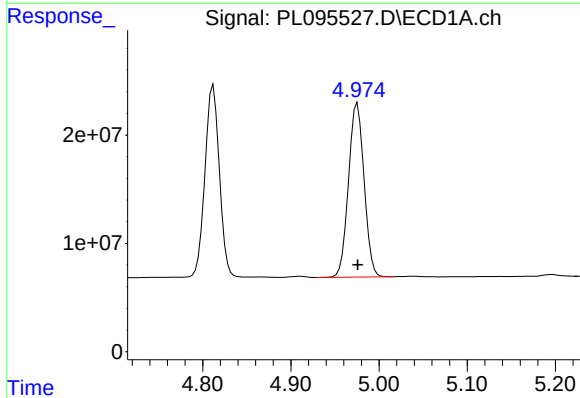
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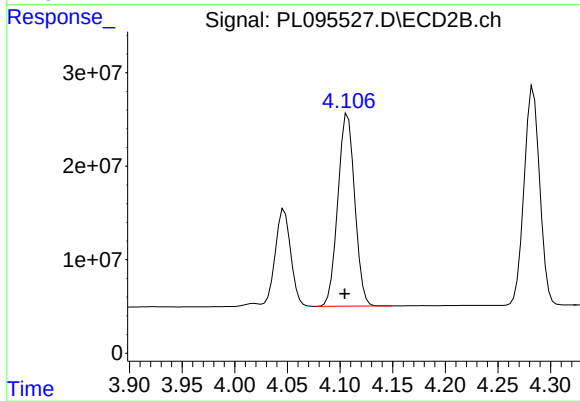
#3 gamma-BHC (Lindane)

R.T.: 3.753 min
Delta R.T.: 0.004 min
Response: 238533443
Conc: 54.23 ng/ml



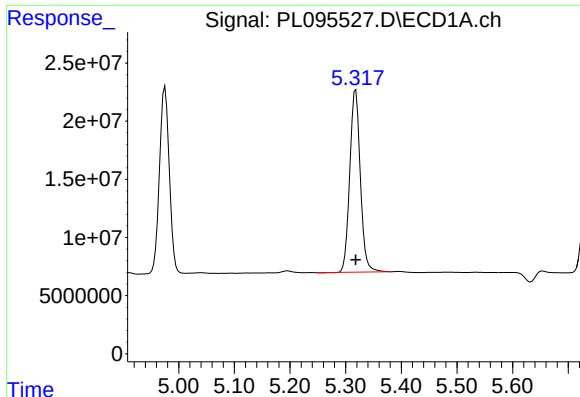
#4 Heptachlor

R.T.: 4.975 min
Delta R.T.: 0.000 min
Response: 197193772
Conc: 43.11 ng/ml



#4 Heptachlor

R.T.: 4.107 min
Delta R.T.: 0.003 min
Response: 230417299
Conc: 52.89 ng/ml



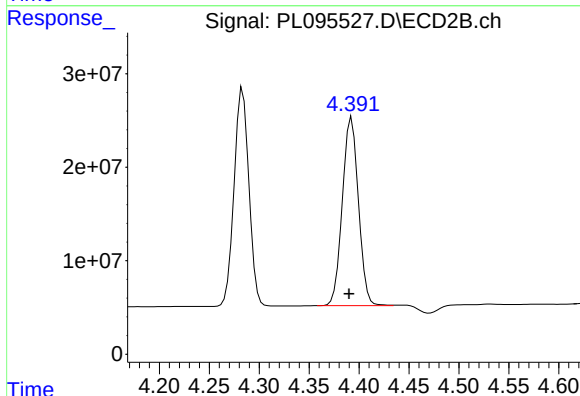
#5 Aldrin

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 206399620
Conc: 44.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

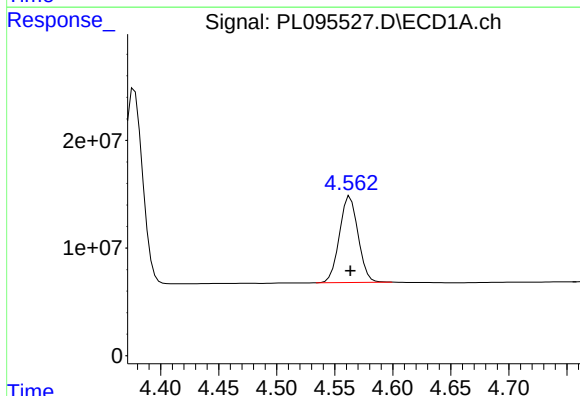
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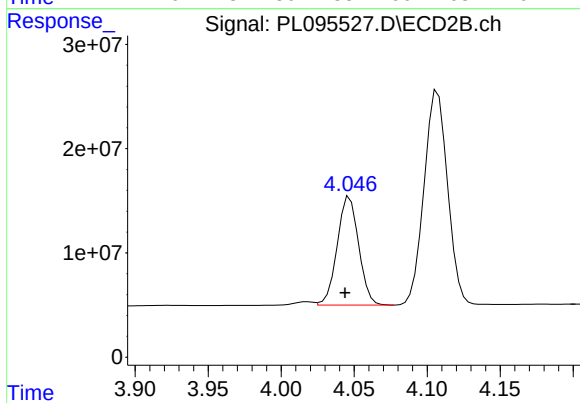
#5 Aldrin

R.T.: 4.391 min
Delta R.T.: 0.001 min
Response: 226296563
Conc: 54.98 ng/ml m



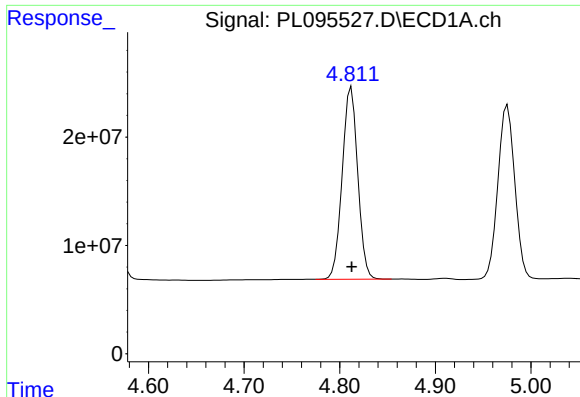
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 89900982
Conc: 43.48 ng/ml



#6 beta-BHC

R.T.: 4.047 min
Delta R.T.: 0.003 min
Response: 106562159
Conc: 51.33 ng/ml



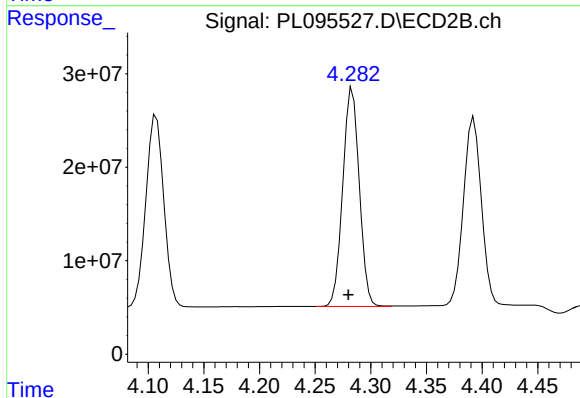
#7 delta-BHC

R.T.: 4.811 min
Delta R.T.: -0.002 min
Response: 201510246
Conc: 43.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

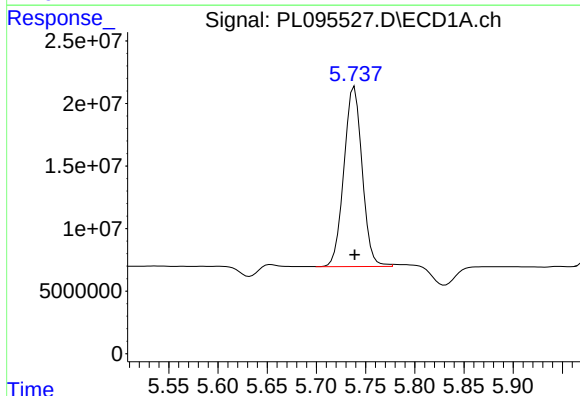
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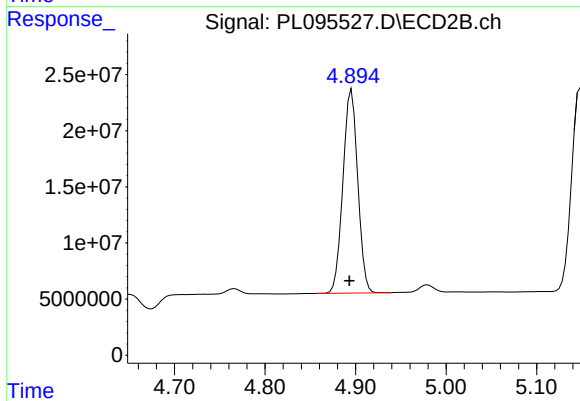
#7 delta-BHC

R.T.: 4.282 min
Delta R.T.: 0.002 min
Response: 241784137
Conc: 55.18 ng/ml m



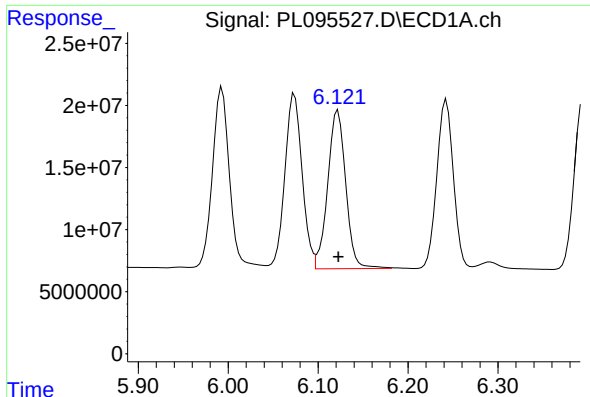
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 185507077
Conc: 46.32 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.896 min
Delta R.T.: 0.002 min
Response: 206155083
Conc: 53.37 ng/ml



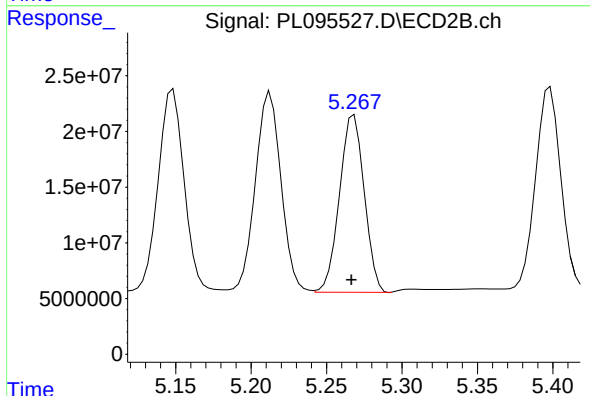
#9 Endosulfan I

R.T.: 6.121 min
Delta R.T.: -0.002 min
Response: 177572374
Conc: 46.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

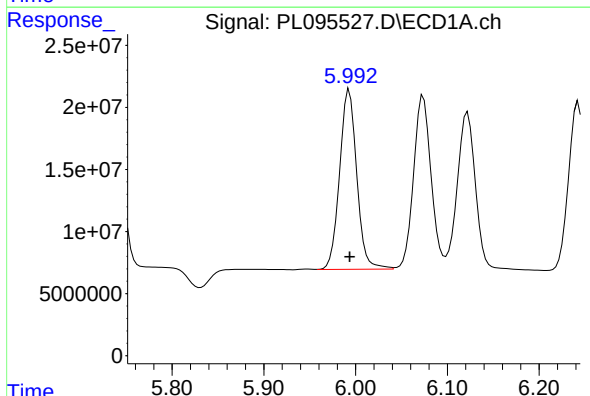
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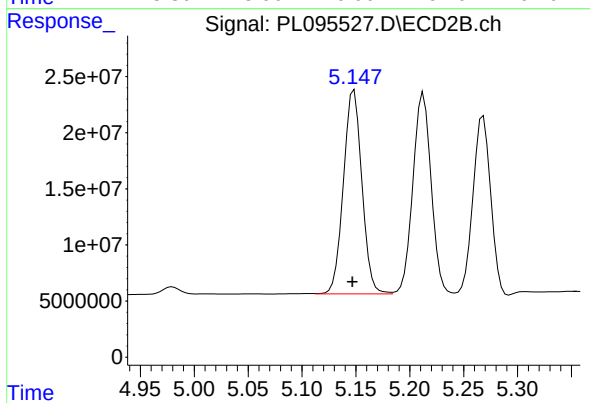
#9 Endosulfan I

R.T.: 5.268 min
Delta R.T.: 0.002 min
Response: 181709104
Conc: 49.64 ng/ml



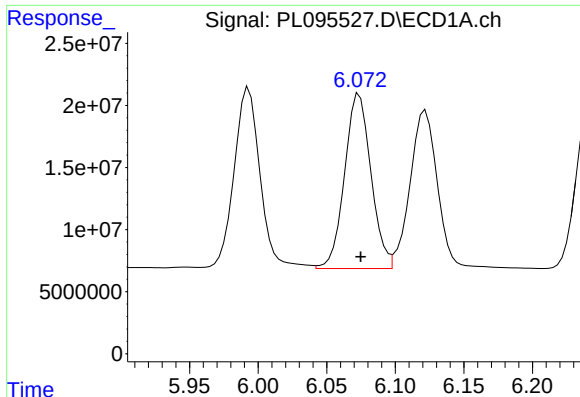
#10 gamma-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.002 min
Response: 188164394
Conc: 46.13 ng/ml m



#10 gamma-Chlordane

R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 216960444
Conc: 53.54 ng/ml m



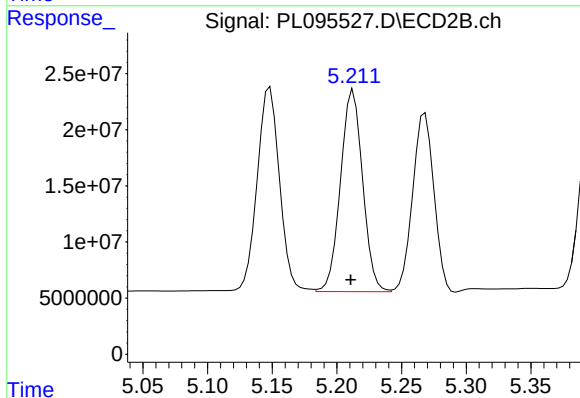
#11 alpha-Chlordane

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 187717013
Conc: 46.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

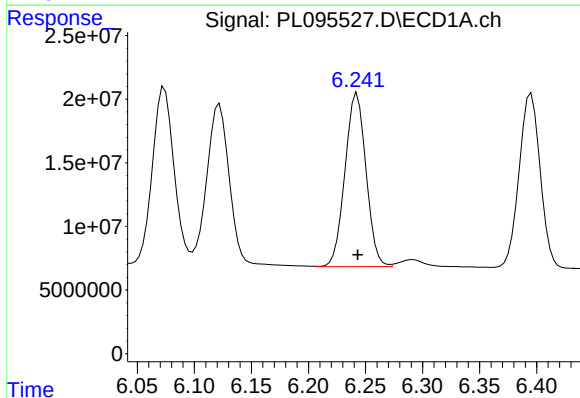
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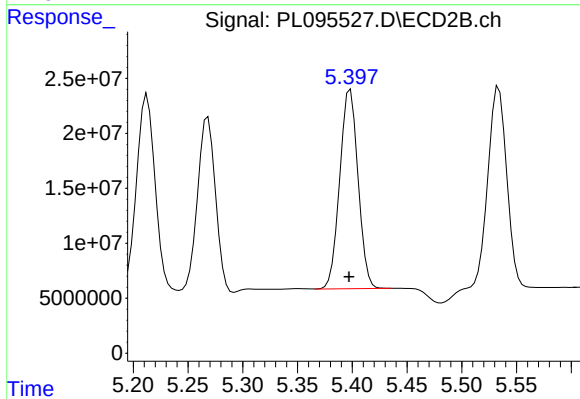
#11 alpha-Chlordane

R.T.: 5.213 min
Delta R.T.: 0.002 min
Response: 213627252
Conc: 53.66 ng/ml



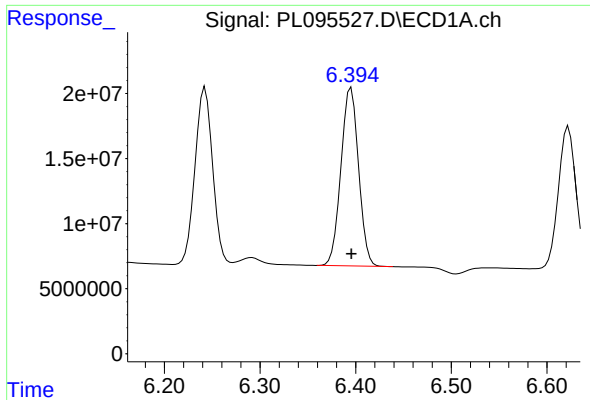
#12 4,4'-DDE

R.T.: 6.241 min
Delta R.T.: -0.002 min
Response: 175243689
Conc: 44.70 ng/ml m



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 210835276
Conc: 51.84 ng/ml m



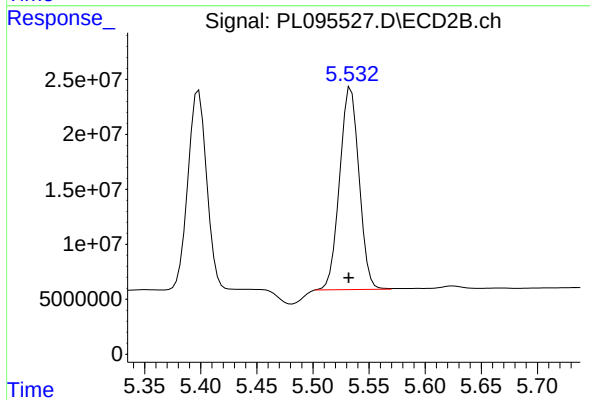
#13 Dieldrin

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 175802111
Conc: 45.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

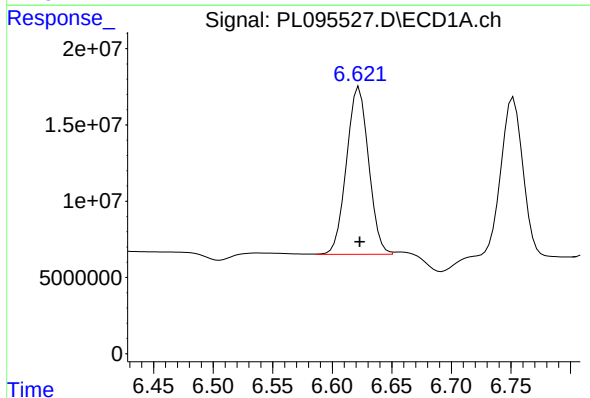
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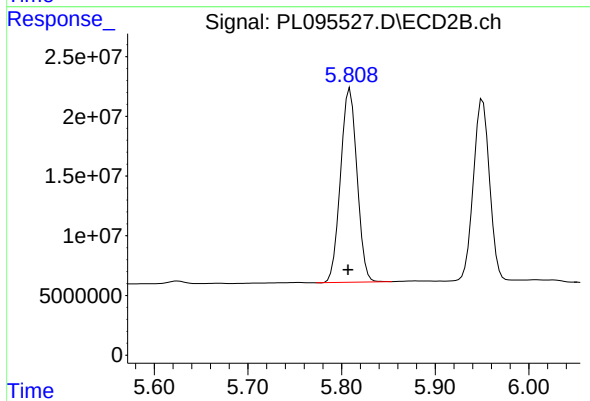
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 221848130
Conc: 54.55 ng/ml m



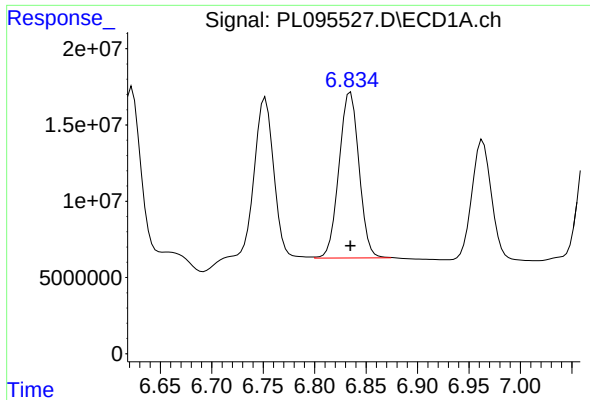
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 141866088
Conc: 44.55 ng/ml m



#14 Endrin

R.T.: 5.809 min
Delta R.T.: 0.002 min
Response: 198417705
Conc: 54.50 ng/ml



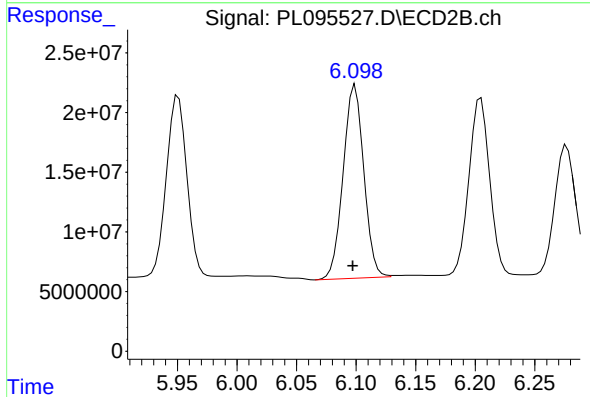
#15 Endosulfan II

R.T.: 6.834 min
Delta R.T.: -0.001 min
Response: 147152544
Conc: 46.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

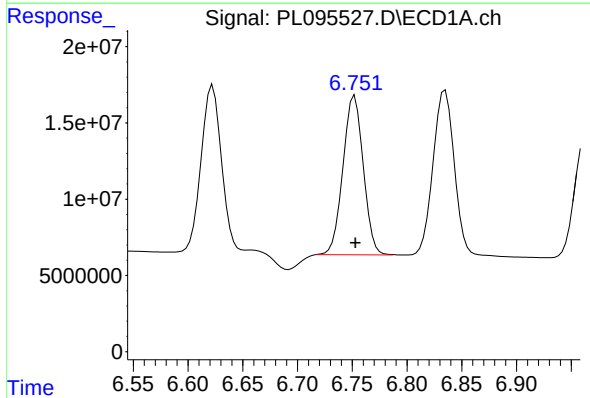
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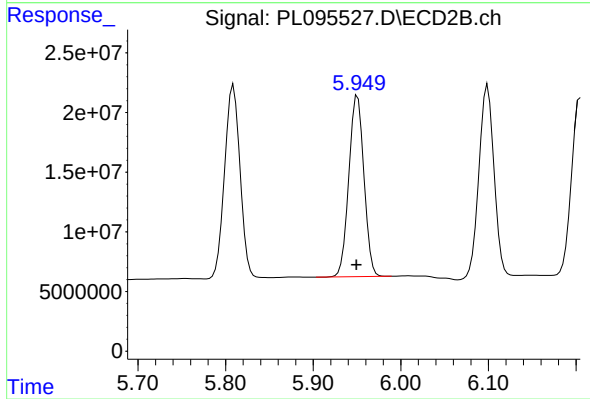
#15 Endosulfan II

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 195834033
Conc: 54.53 ng/ml m



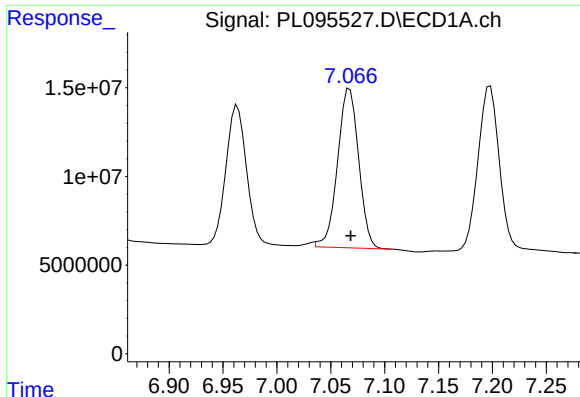
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 134950563
Conc: 47.67 ng/ml m



#16 4,4'-DDD

R.T.: 5.951 min
Delta R.T.: 0.001 min
Response: 181775280
Conc: 55.64 ng/ml



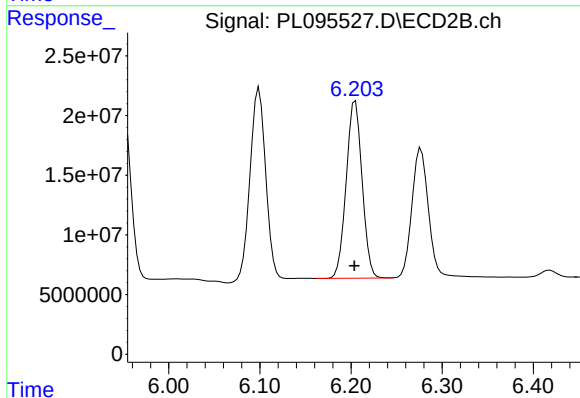
#17 4,4'-DDT

R.T.: 7.066 min
Delta R.T.: -0.002 min
Response: 122297809
Conc: 42.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

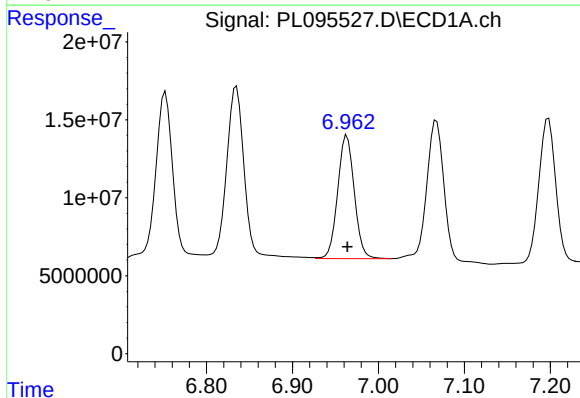
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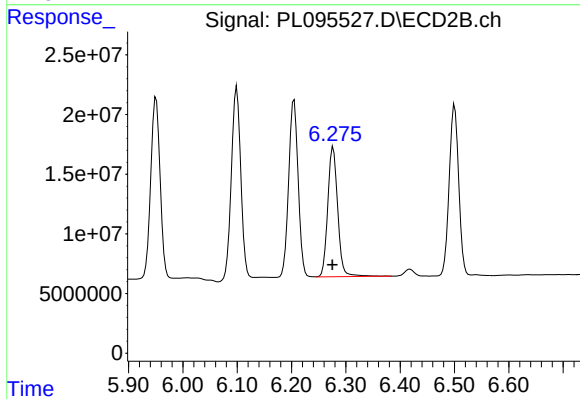
#17 4,4'-DDT

R.T.: 6.205 min
Delta R.T.: 0.001 min
Response: 179869836
Conc: 52.35 ng/ml



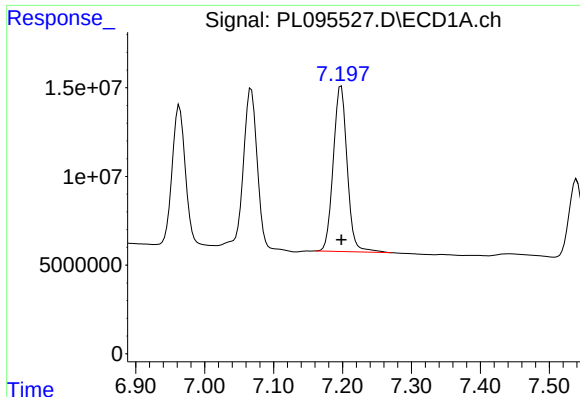
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: -0.002 min
Response: 106242218
Conc: 45.78 ng/ml m



#18 Endrin aldehyde

R.T.: 6.277 min
Delta R.T.: 0.001 min
Response: 138402881
Conc: 52.96 ng/ml



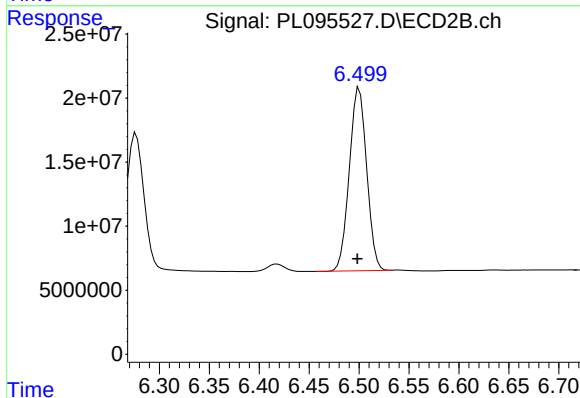
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 130900557
Conc: 46.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

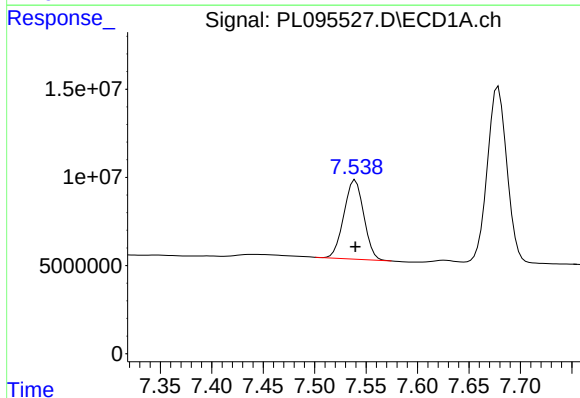
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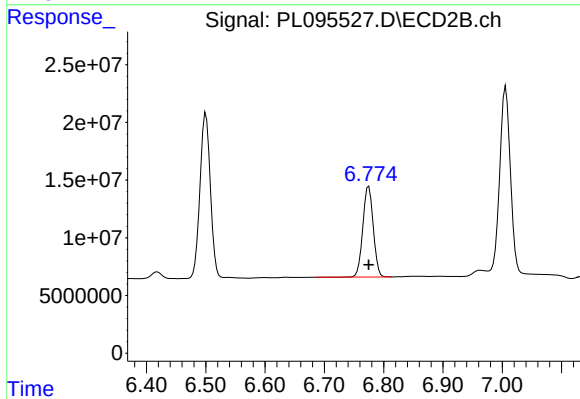
#19 Endosulfan Sulfate

R.T.: 6.500 min
Delta R.T.: 0.002 min
Response: 172805538
Conc: 52.08 ng/ml



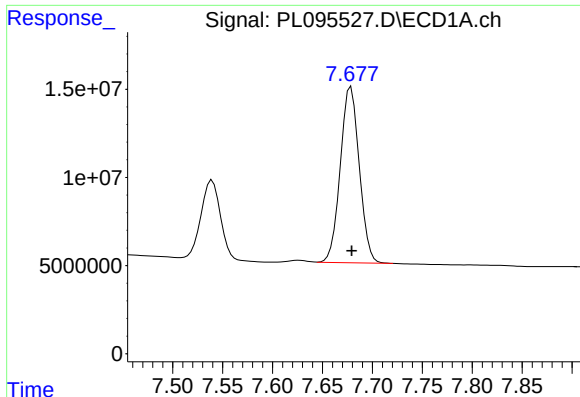
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 60230413
Conc: 43.17 ng/ml



#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 95555696
Conc: 50.10 ng/ml



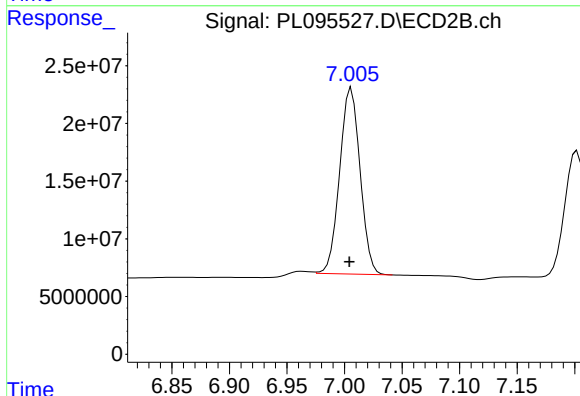
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 131928411
Conc: 46.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

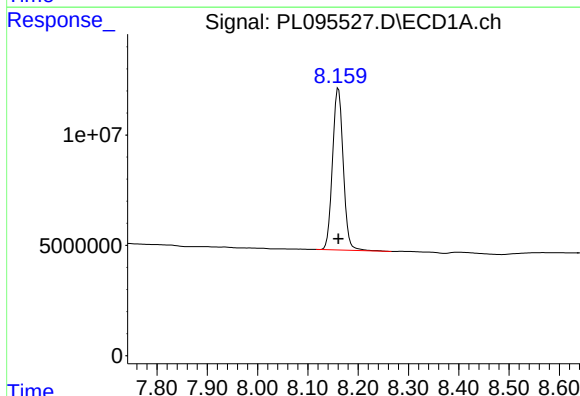
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



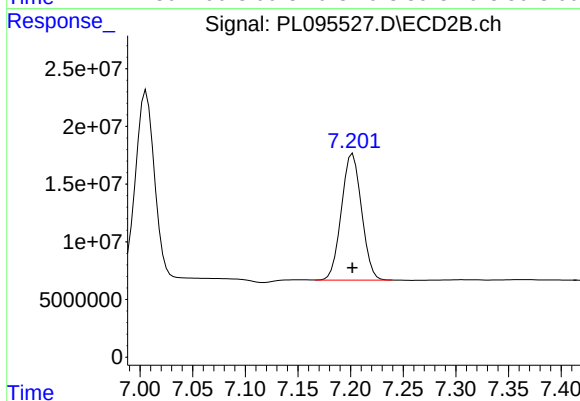
#21 Endrin ketone

R.T.: 7.006 min
Delta R.T.: 0.001 min
Response: 199641044
Conc: 56.70 ng/ml



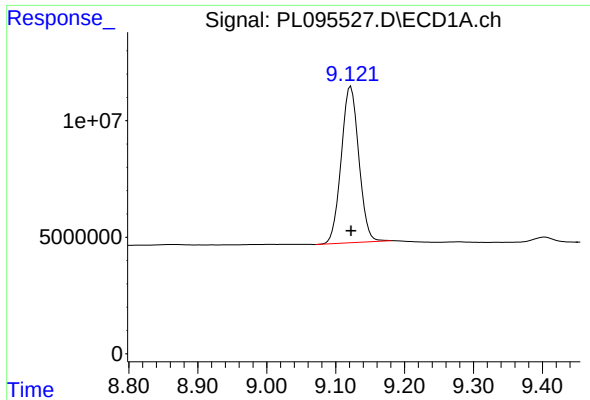
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 108371867
Conc: 45.61 ng/ml



#22 Mirex

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 146284165
Conc: 50.75 ng/ml m



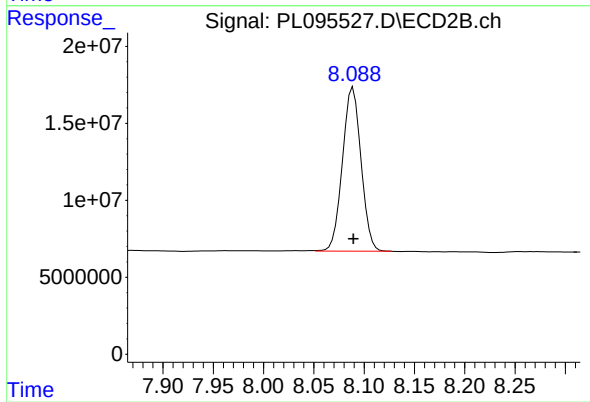
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 119081799
Conc: 42.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.002 min
Response: 136427318
Conc: 46.10 ng/ml m